**PSI**
PHOENIX SURVEYS, INC.

# HIGH RESOLUTION INDUCTION
# COMPENSATED DENSITY
# COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

| | |
|---|---|
| Company | EnCana Oil & Gas (USA) Inc. |
| Well | File 32-17 |
| Field | Wattenberg |
| County | Weld |
| State/Province | Colorado |

Location
SHL: 1050' FNL & 1728' FEL NWNE
BHL: 2150' FNL & 2150' FEL SWNE
Sec 17, Twp 2N, Rge 68W

Other Services
None

| | | | |
|---|---|---|---|
| Permanent Datum | GL | Elevation | 4883 |
| Log Measured From | KB | | |
| Drilling Measured From | KB | | |

Elevation
K.B. 4896
D.F. 4896
G.L. 4883

| | | | |
|---|---|---|---|
| Date | March 26, 2012 | | |
| Run Number | 1 | | |
| Depth Driller | 8162 | | |
| Depth Logger | 8160 | | |
| Bottom Logged Interval | 8160 | | |
| Top Log Interval | Casing | | |
| Casing Driller | 1037 | | |
| Casing Logger | 1037 | | |
| Bit Size | 7+7/8" | | |
| Type Fluid in Hole | Chem Gel | | |
| Density / Viscosity | 9.8 / 39 | | |
| pH / Fluid Loss | 9.0 / 8.0 | | |
| Source of Sample | Flowline | | |
| Rm @ Meas. Temp | 2.95 @ 67 F | | |
| Rmf @ Meas. Temp | 2.36 @ 67 F | | |
| Rmc @ Meas. Temp | 3.54 @ 67 F | | |
| Source of Rmf / Rmc | Measure / Calc | | |
| Rm @ BHT | 0.87 @ 228 F | | |
| Time Circulation Stopped | 2100 3/25/2012 | | |
| Time Logger on Bottom | 0800 | | |
| Maximum Recorded Temperature | 228 F | | |
| Equipment Number | 49 | | |
| Location | Brighton, CO | | |
| Recorded By | Kelly Keever | | |
| Witnessed By | Leonard Clark | | |

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

## Comments

Annular volume calculated for 4.5" casing
Ensign Rig 124
Thank you for using Phoenix Surveys!!
API #: 05-123-34130-0000

| | |
|---|---|
| Database File: | 12684.db |
| Dataset Pathname: | final |
| Presentation Format: | encana |
| Dataset Creation: | Mon Mar 26 09:37:34 2012 |
| Charted by: | Depth in Feet scaled 1:240 |

6 Caliper (in) 16

0 Gamma Ray (GAPI) 300

0 SP (mV) 200

ABHV (ft3)

2 Deep Resistivity (Ohm-m) 200

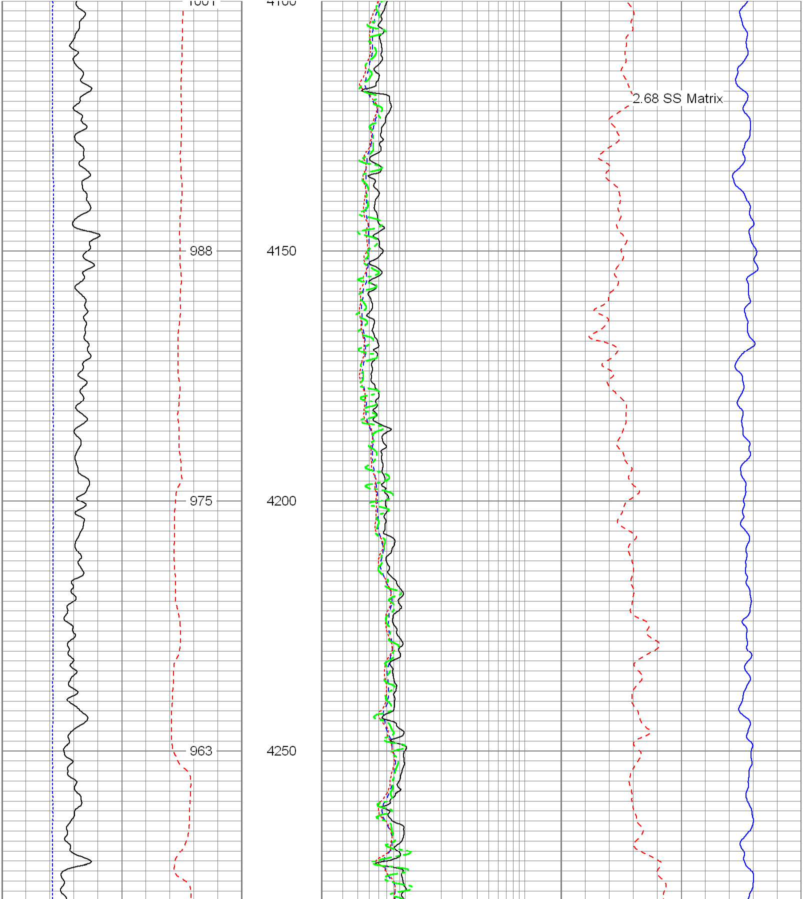
2 Medium Resistivity (Ohm-m) 200

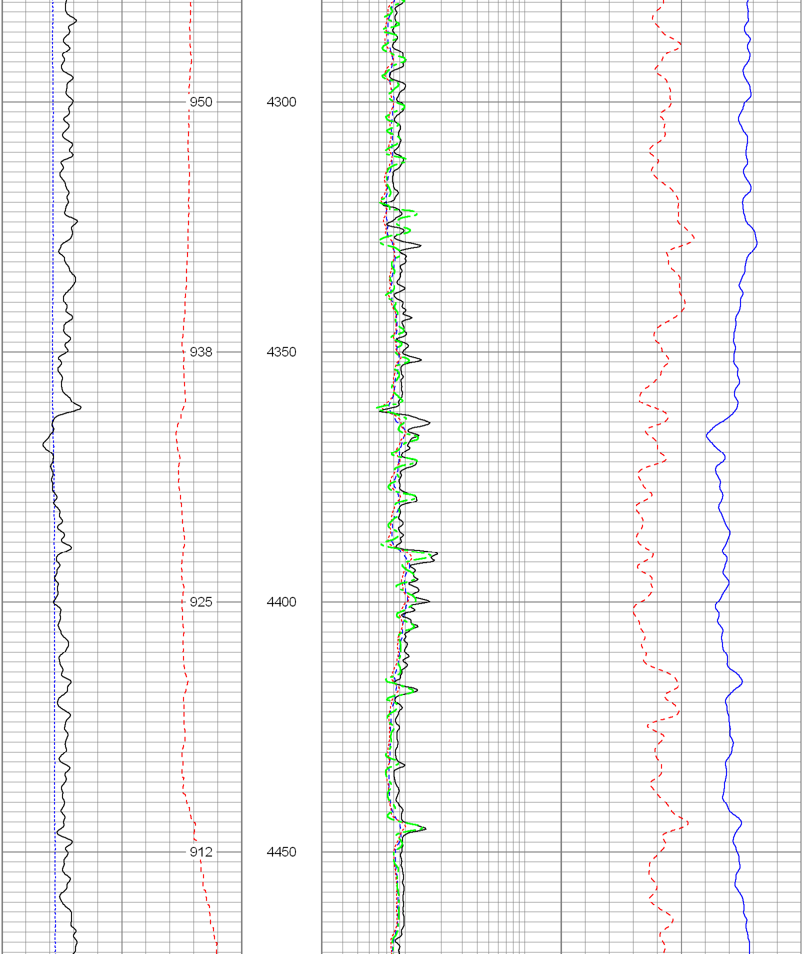
2 Shallow Resistivity (Ohm-m) 200

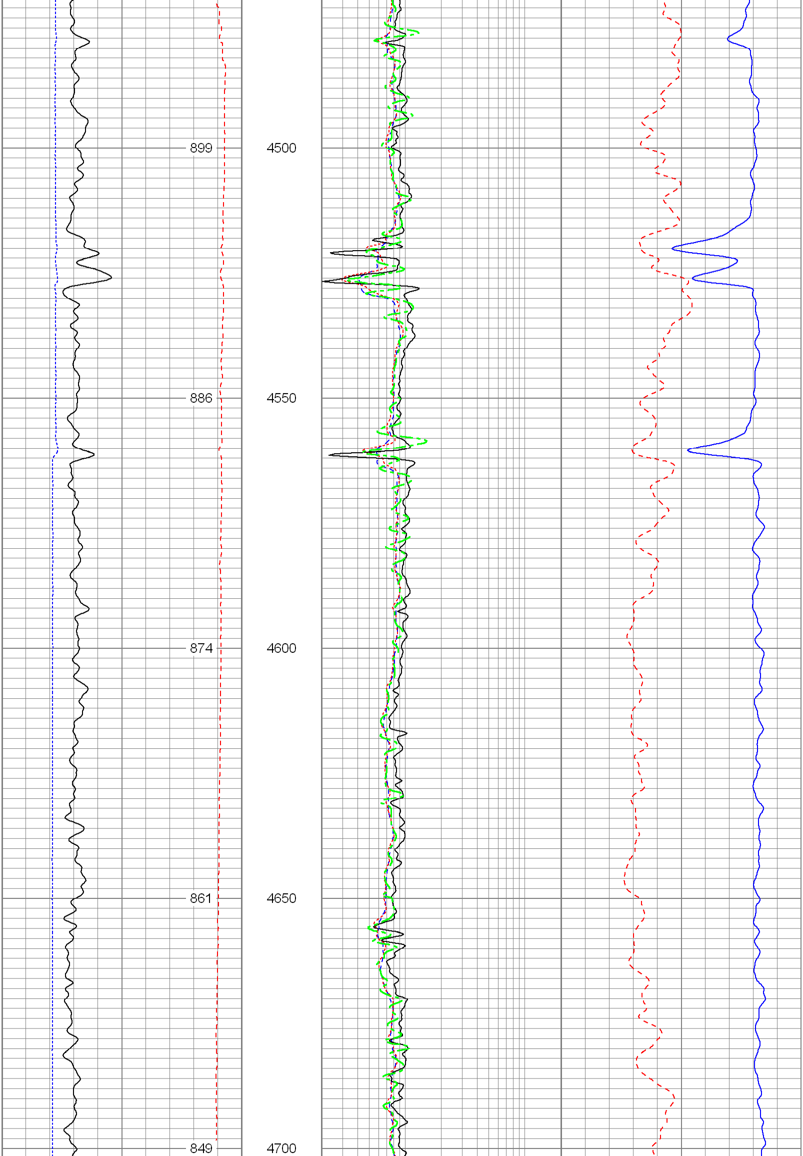
2 RT (Ohm-m) 200

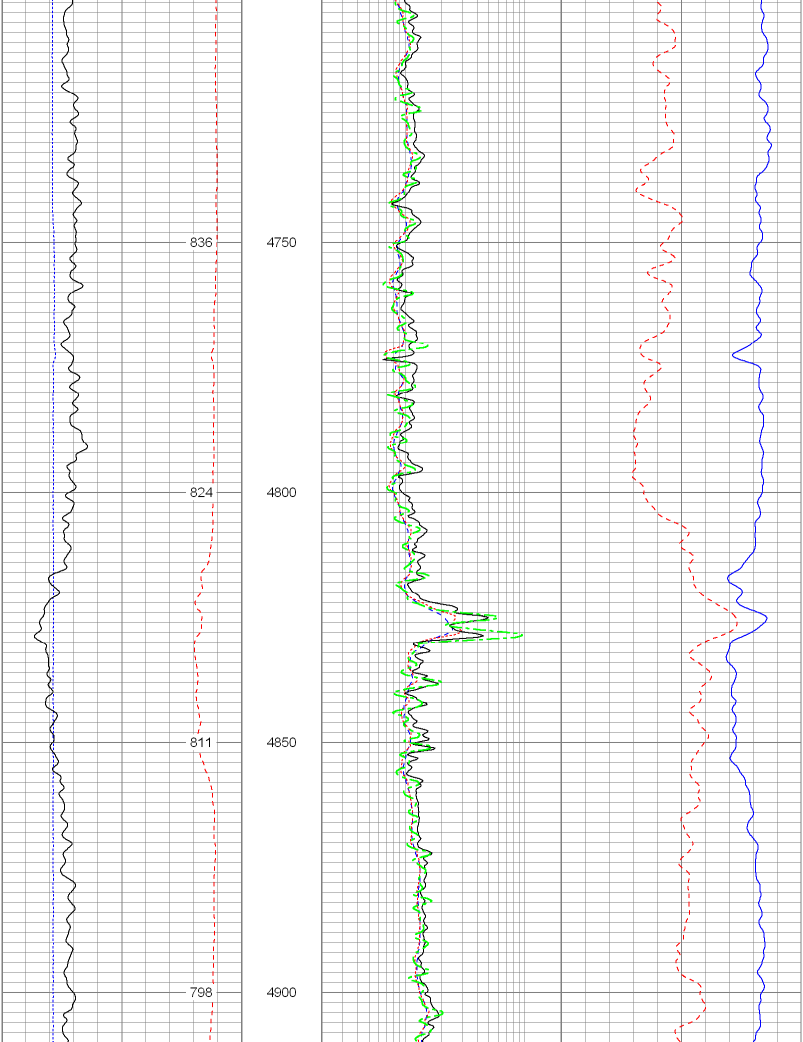
40 Density Porosity (pu) 0

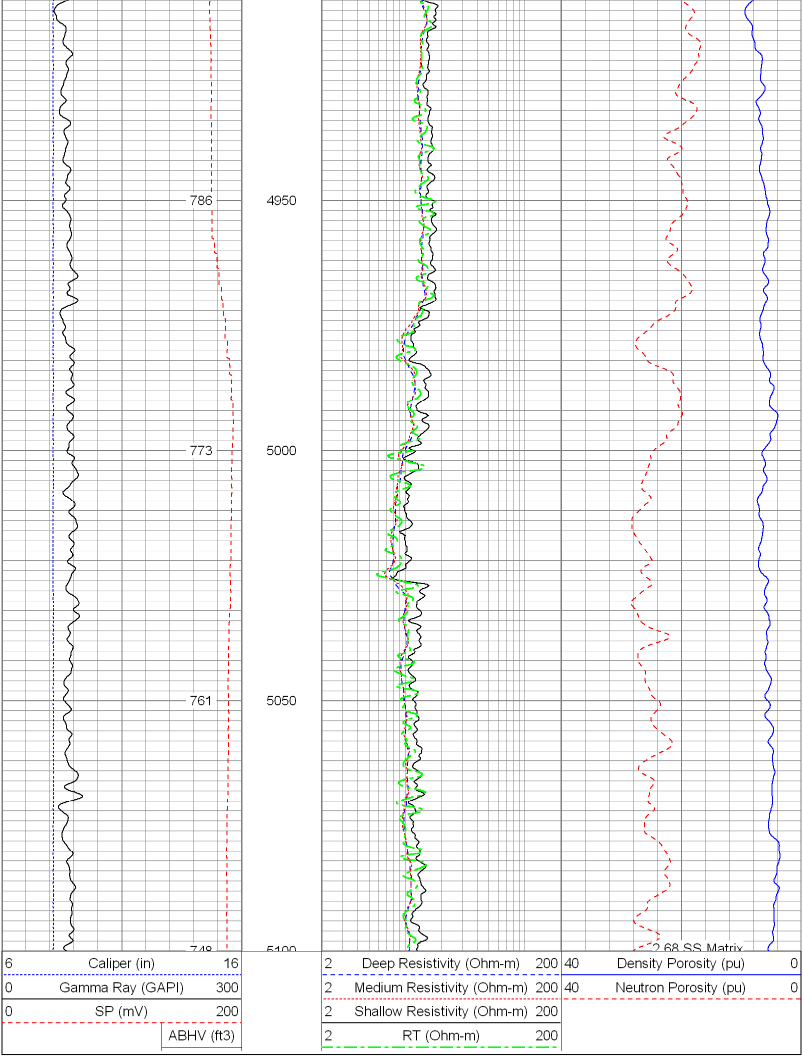
40 Neutron Porosity (pu) 0



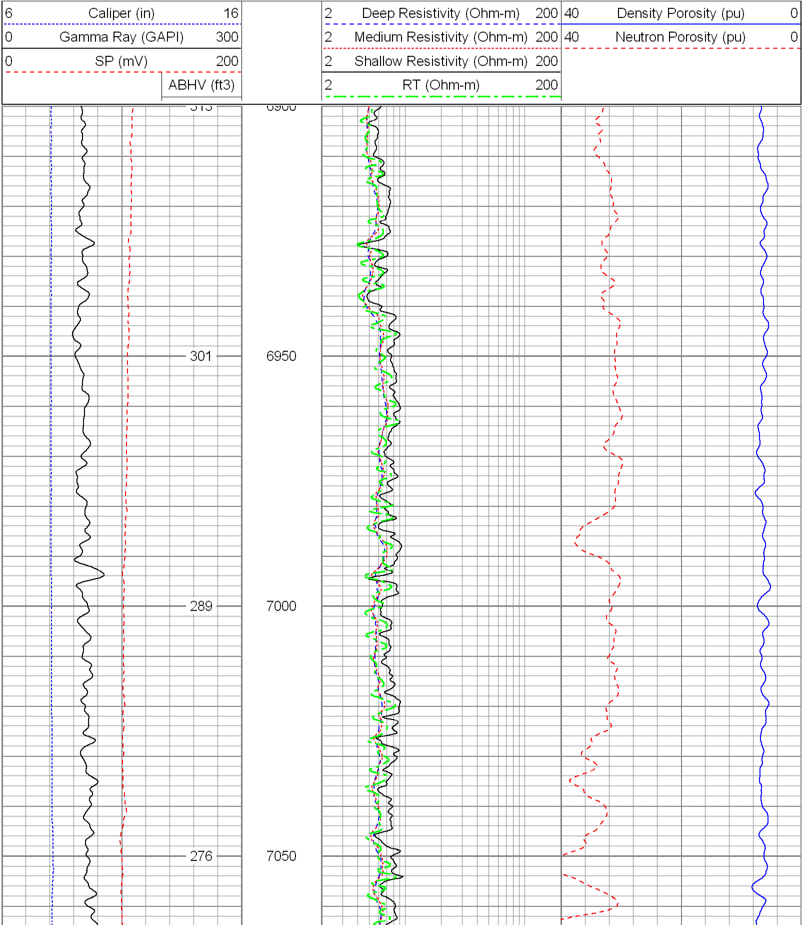
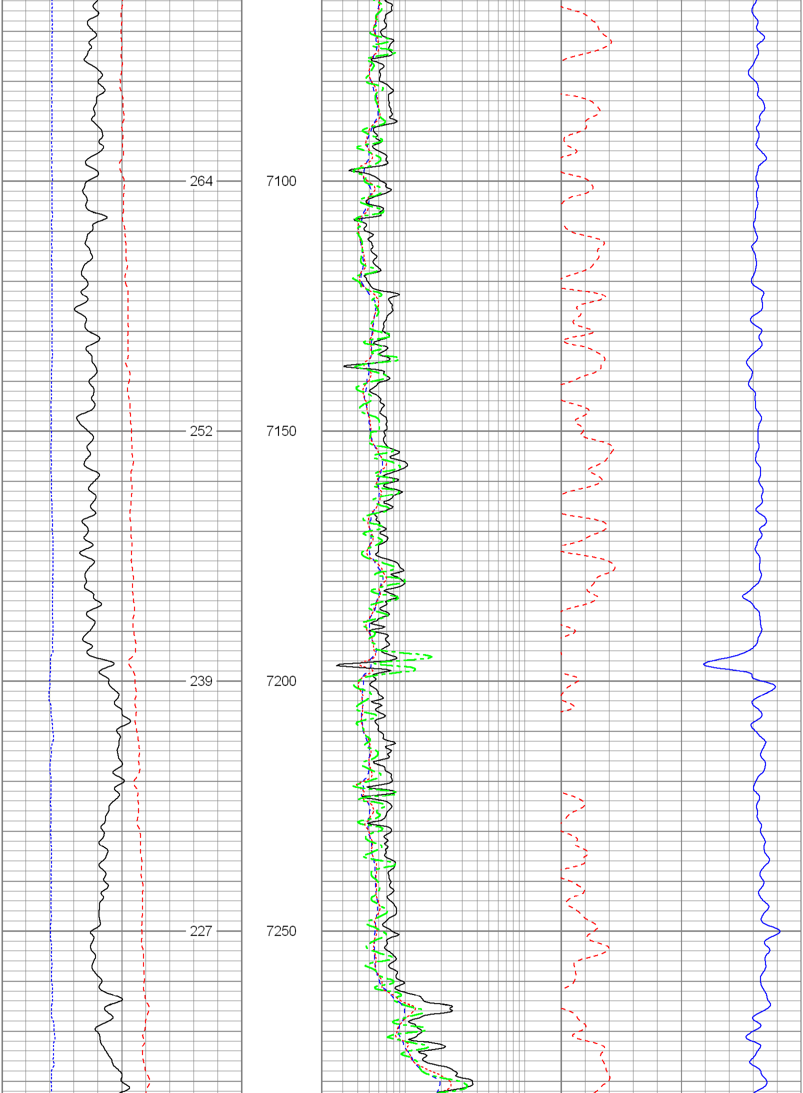
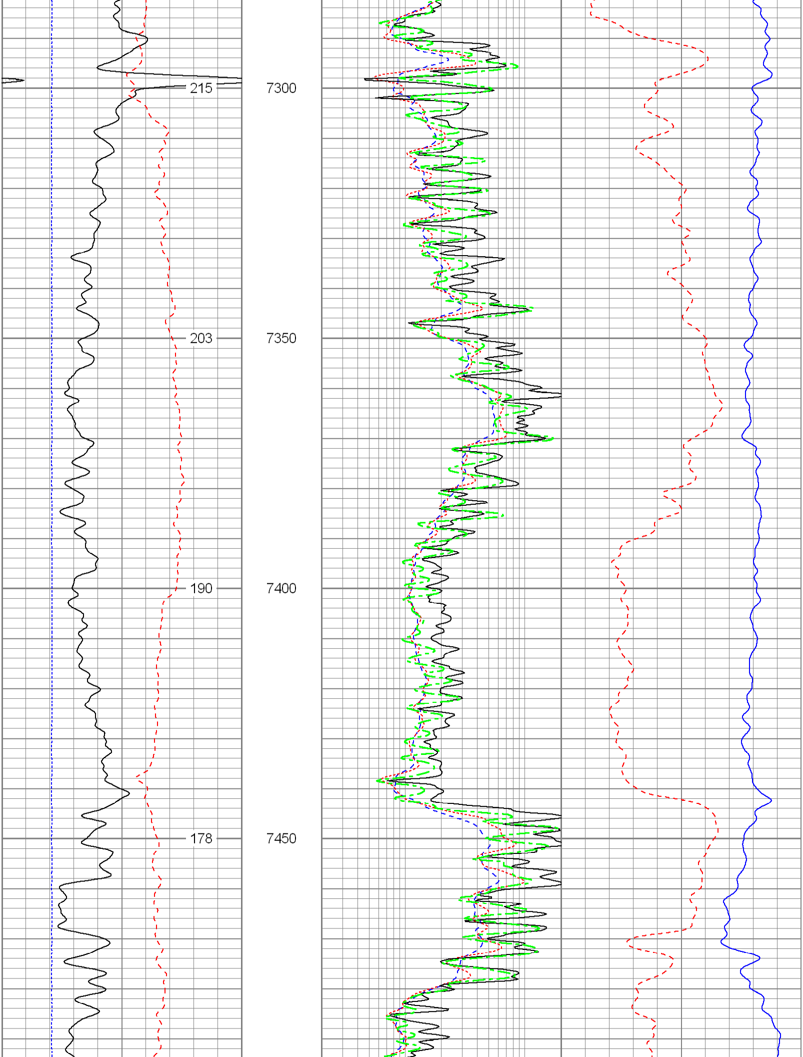
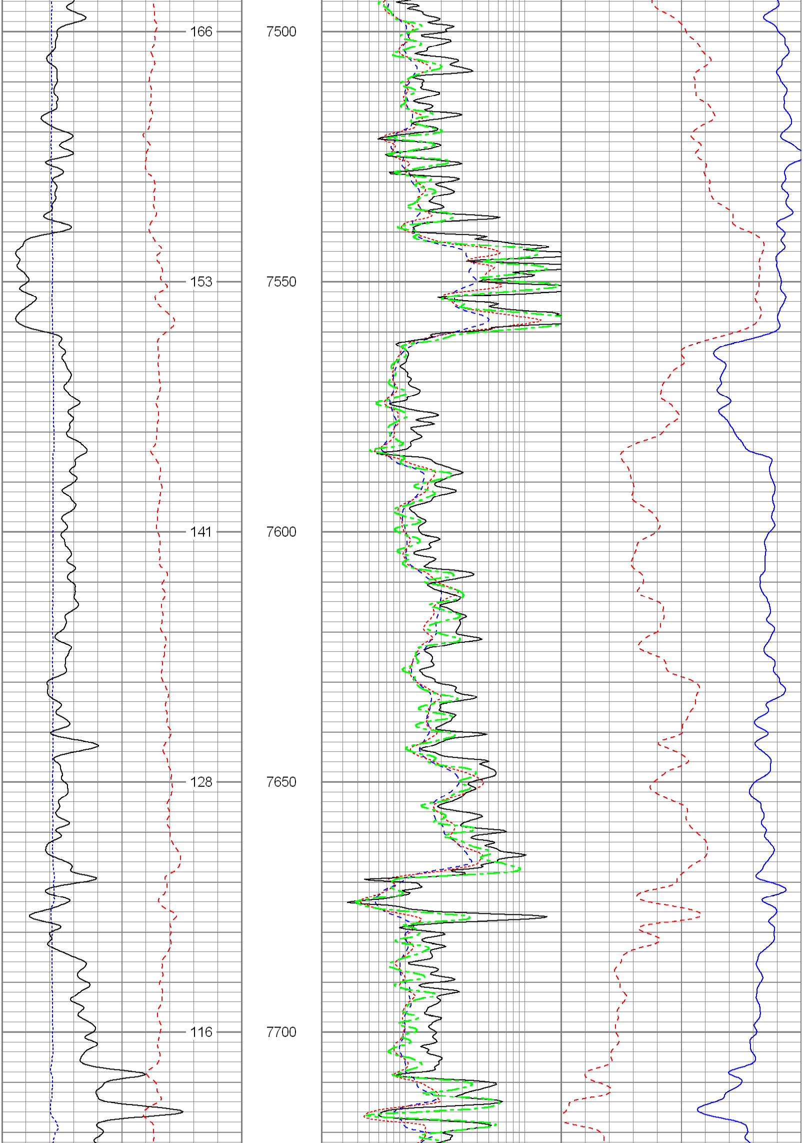
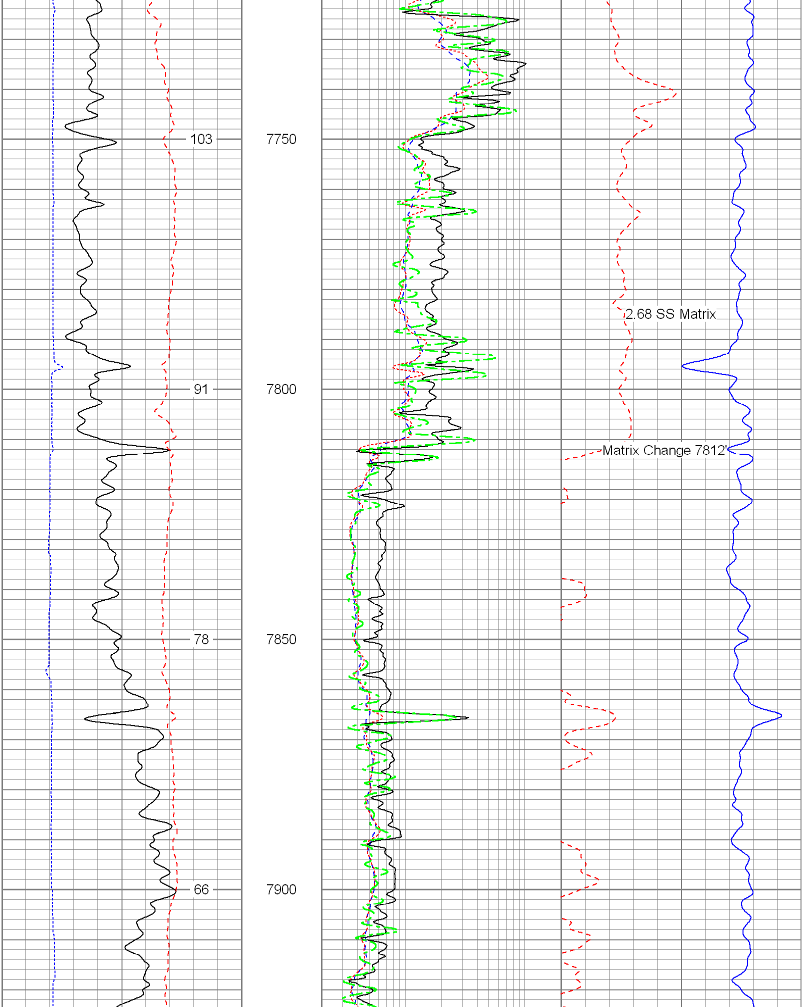
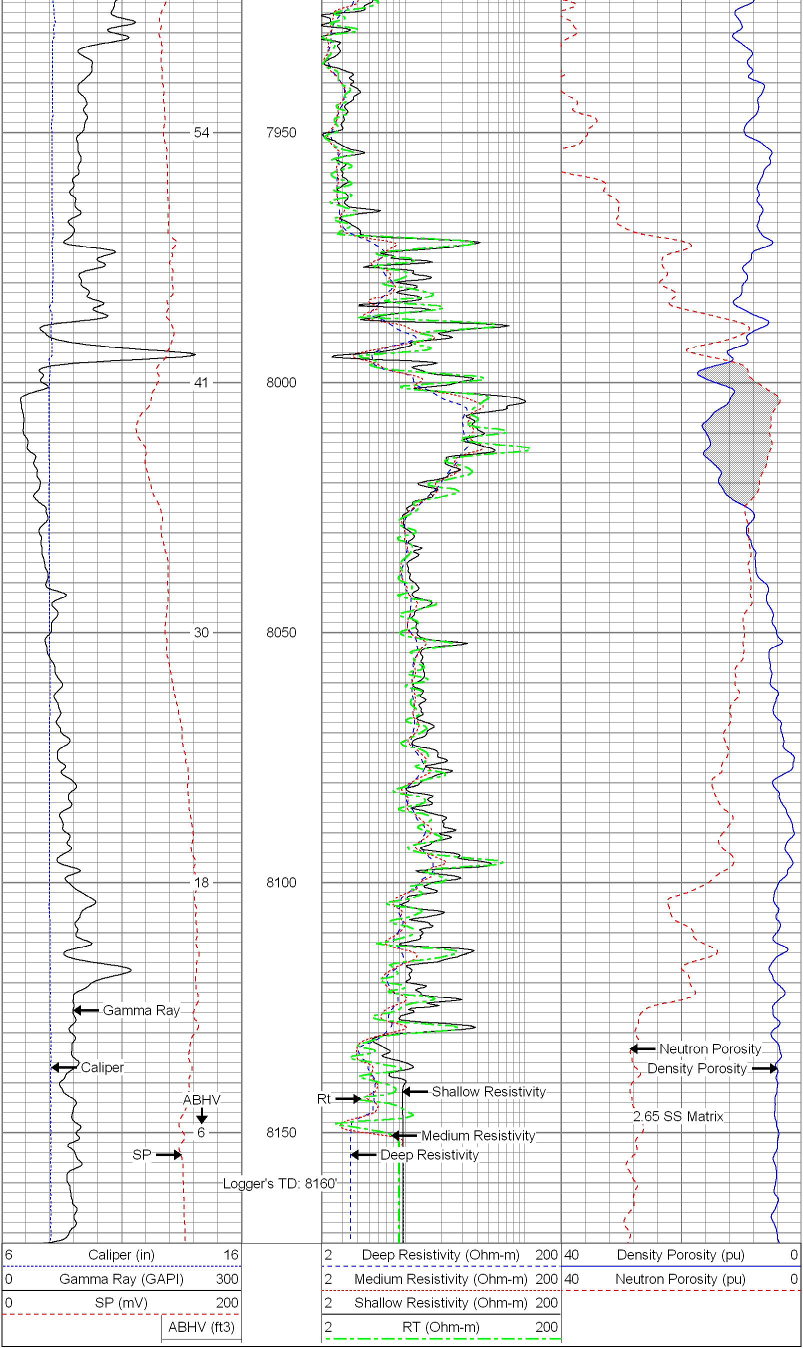








Database File: 12684.db
Dataset Pathname: final
Presentation Format: encana
Dataset Creation: Mon Mar 26 09:37:34 2012
Charted by: Depth in Feet scaled 1:240


6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
0 SP (mV) 200
ABHV (ft3)
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 RT (Ohm-m) 200
40 Density Porosity (pu) 0
40 Neutron Porosity (pu) 0
301
6950
289
7000
276
7050